Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) An attachment device comprising a deformable, partially tubular band having a slotted opening for accepting a portion of a first substantially flexible element and a portion of a second substrate element, the deformable, partially tubular band being configurable to substantially surround and conform to the shape of the substrate element without piercing either the first substantially flexible element or the second substrate element.

2. (Withdrawn) The attachment device according to Claim 1, wherein the partially tubular band comprises a polymeric material.

3. (Original) The attachment device according to Claim 1, wherein the partially tubular band comprises a metallic material.

4. (Original) The attachment device according to Claim 1, wherein the partially tubular band is configured to hold a portion of the first substantially flexible element between itself and a portion of the second substrate element.

5. (Currently Amended) A stent graft comprising:

one or more stent structures;

a biocompatible graft material affixed to the one or more stent structures; and

at least one attachment device for securing the biocompatible graft material to the one or more stent structures, the at least one attachment device comprising a deformable, partially tubular band having a slotted opening for accepting a portion of the one or more stent structures and a portion of the biocompatible graft material, the deformable, partially tubular band being configurable to substantially surround and conform to the shape of the one or more stent structures without piercing either the graft material or the one or more stent structures.

6. (Original) The stent graft according to Claim 5, wherein the graft material comprises ultra high molecular weight polyethylene.

7. (Withdrawn) The stent graft according to Claim 5, wherein the graft material comprises polyaramid.

8. (Withdrawn) The stent graft according to Claim 5, wherein the graft material comprises polyphynelenebenzobisoxazole.

9. (Withdrawn) The stent graft according to Claim 5, wherein the graft material comprises liquid crystal polymer.

10. (Original) The stent graft according to Claim 6, wherein the ultra high molecular weight polyethylene graft material comprises a yarn having a weight in the range from about twenty denier to about thirty denier.

11. (Original) The stent graft according to Claim 5, wherein the graft material comprises blends of ultra high molecular weight polyethylene.

12. (Original) The stent graft according to Claim 5, wherein the graft material is woven.

13. (Withdrawn) The stent graft according to Claim 5, wherein the graft material is knitted.

14. (Withdrawn) The stent graft according to Claim 5, wherein the graft material is braided.

15. (Withdrawn) The stent graft according to Claim 5, wherein the at least one attachment device comprises a polymeric material.

16. (Original) The stent graft according to Claim 5, wherein the at least one attachment device comprises a metallic material.

17. (Original) The stent graft according to Claim 5, wherein the partially tubular band is configured to hold a portion of the biocompatible graft material between itself and a portion of the one or more stent structures.

18. (Original) The stent graft according to Claim 17, wherein the partially tubular band is configured to allow relative movement between the portion of the biocompatible graft material and the portion of the one or more stent structures.

19. (Original) The stent graft according to Claim 17, wherein the portion of the stent structure is configured to allow relative movement between the portion of the biocompatible graft material and the portion of the one or more stent structures.

20. (Withdrawn) A method for attaching graft material to a stent structure comprising:

positioning graft material around a stent structure;

positioning at least one attachment device such that the graft material is sandwiched between the at least one attachment device and a portion of the stent structure, and

crimping the at least one attachment device around the graft material at the portion of the stent structure.